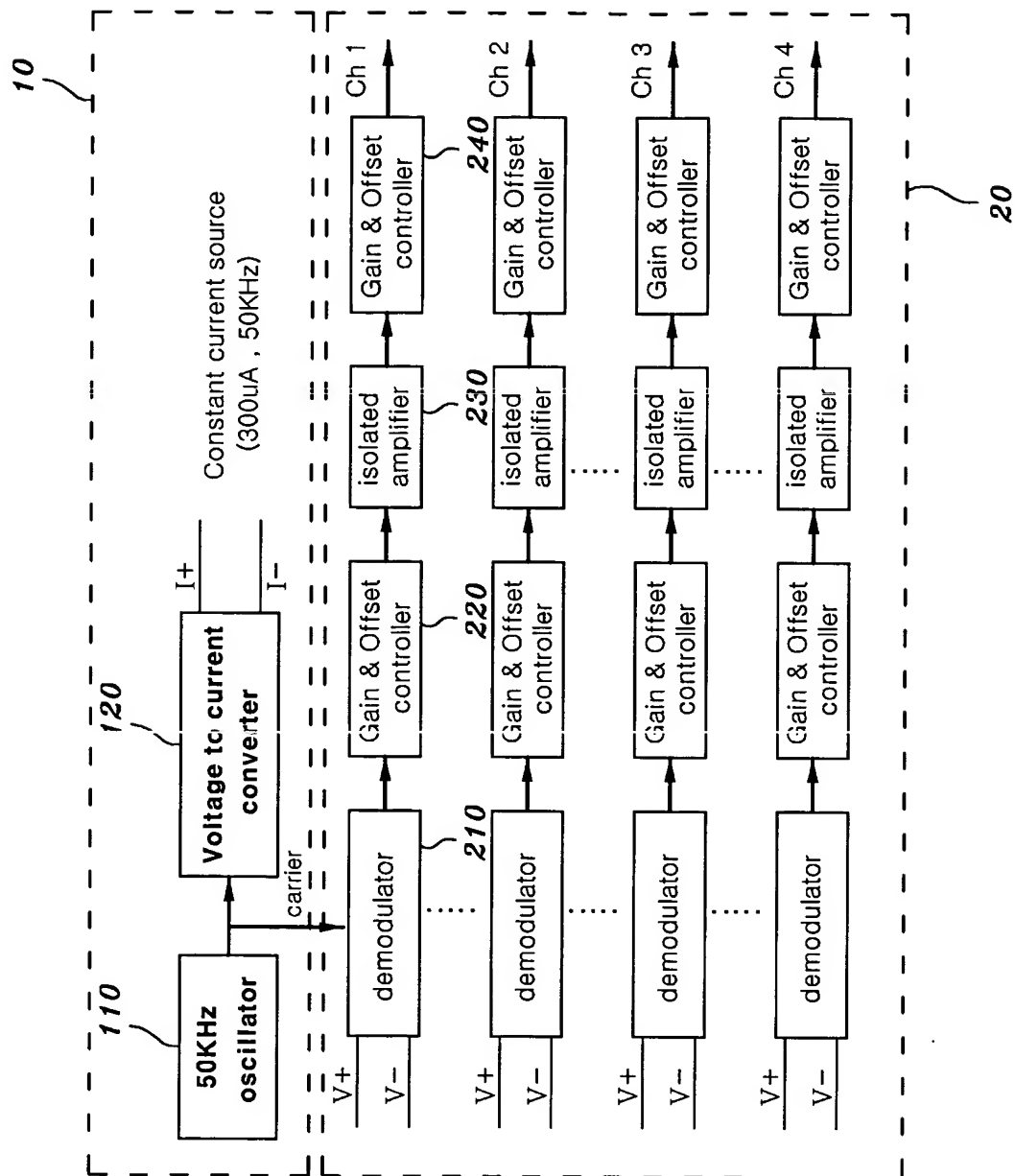
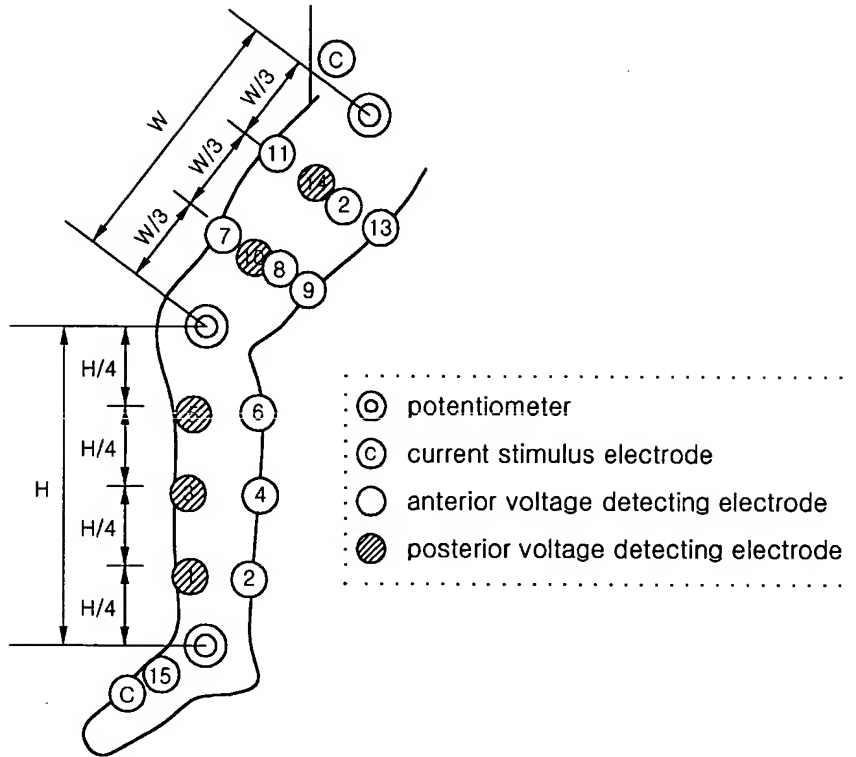


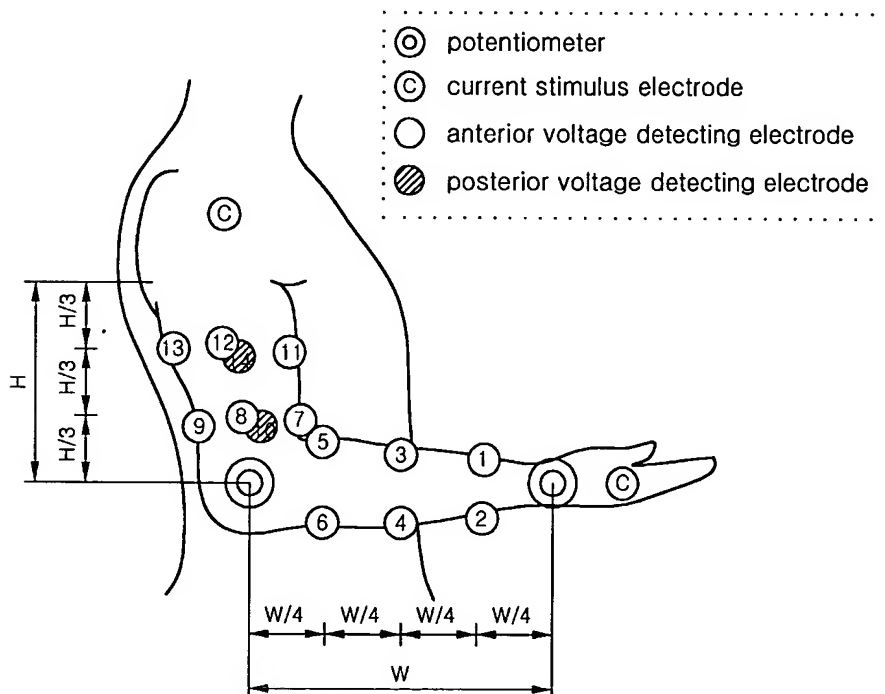
[fig 1]



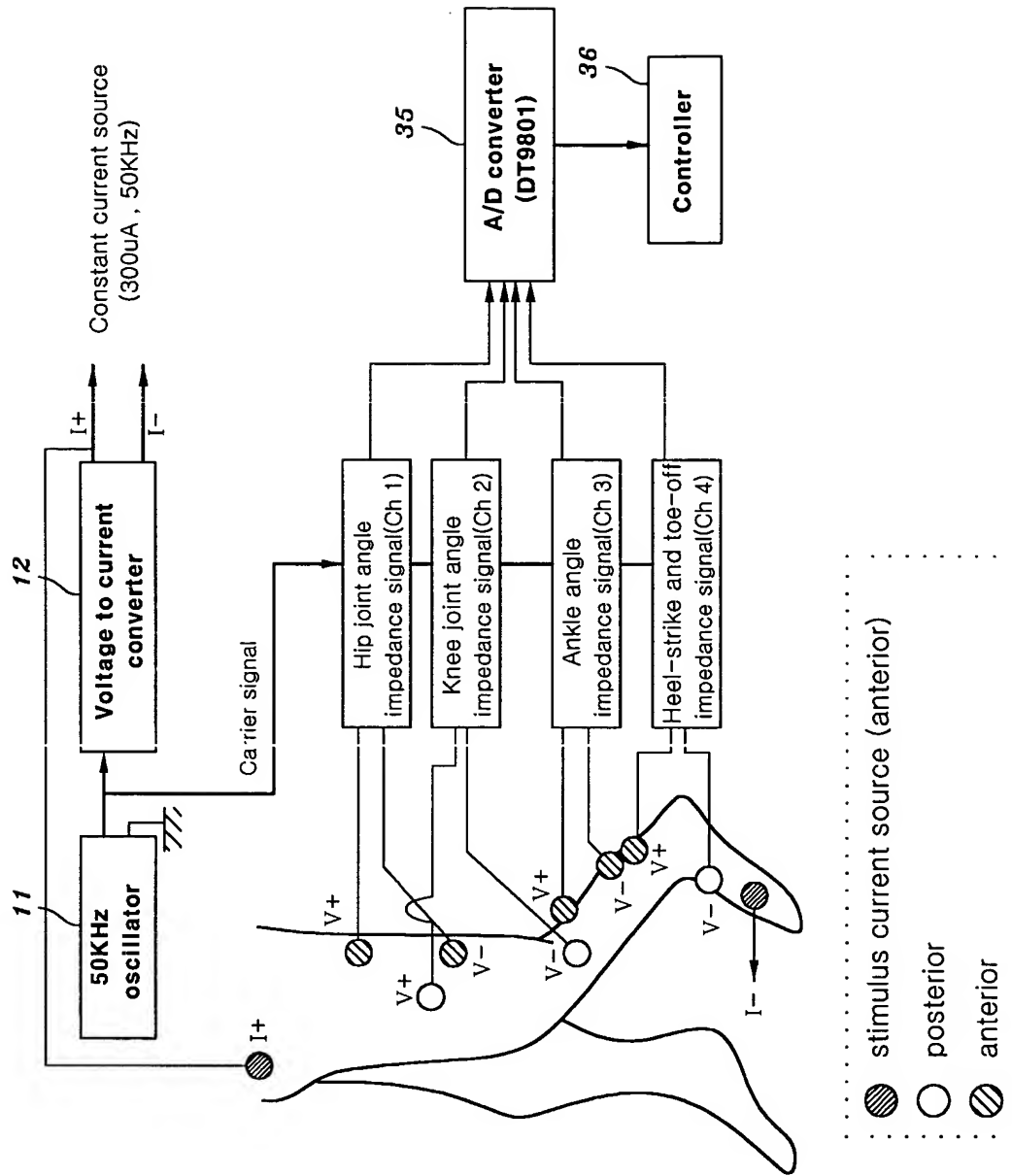
[fig 2]



[fig 3]



[fig 4]

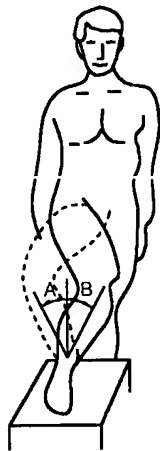


[fig 5a]



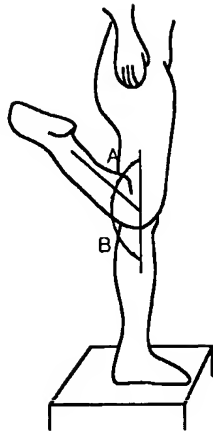
extension (A) &
flexion (B) of ankle

[fig 5b]



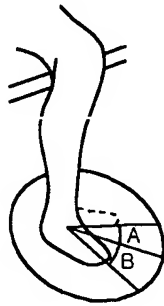
abduction (A) &
adduction (B) of ankle

[fig 5c]



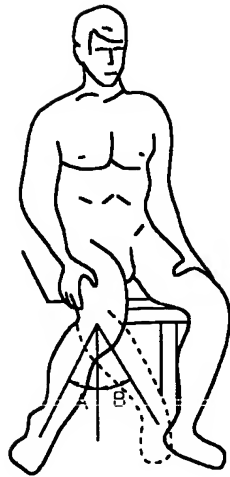
flexion (A) &
extension (B) of knee joint

[fig 5d]



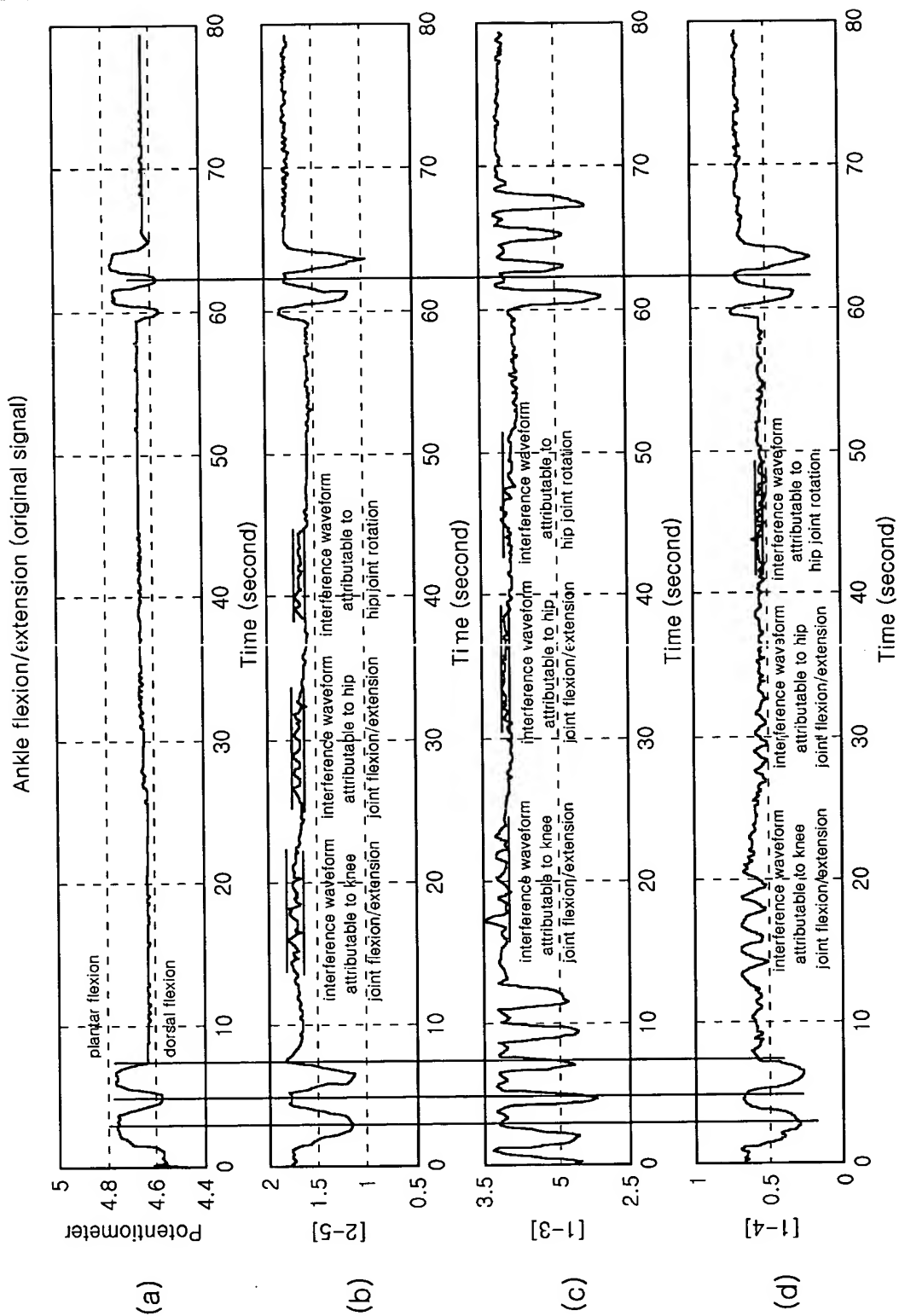
supination (A) &
pronation (B) of knee joint

[fig 5e]

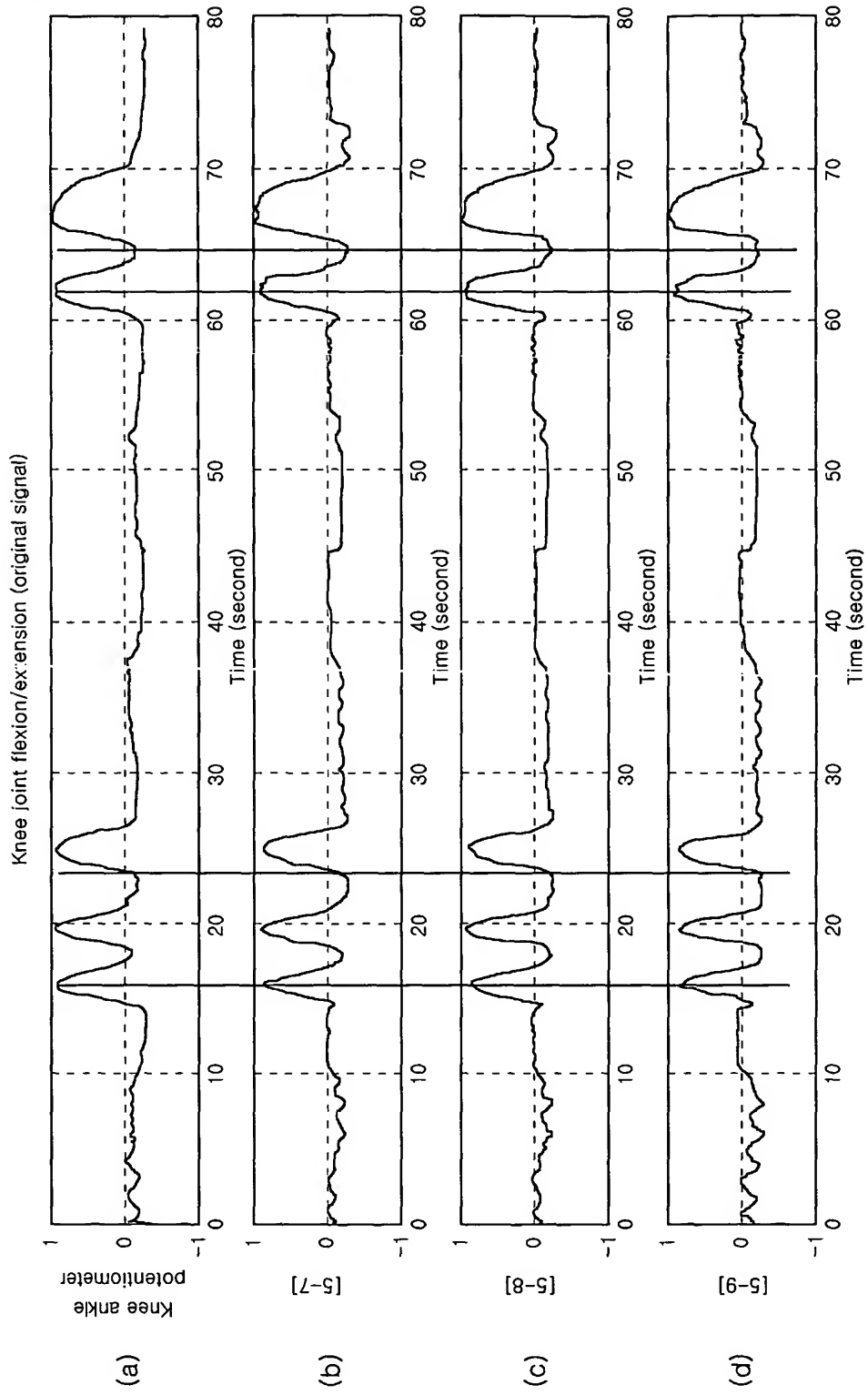


supination (A) &
pronation (B) of hip joint

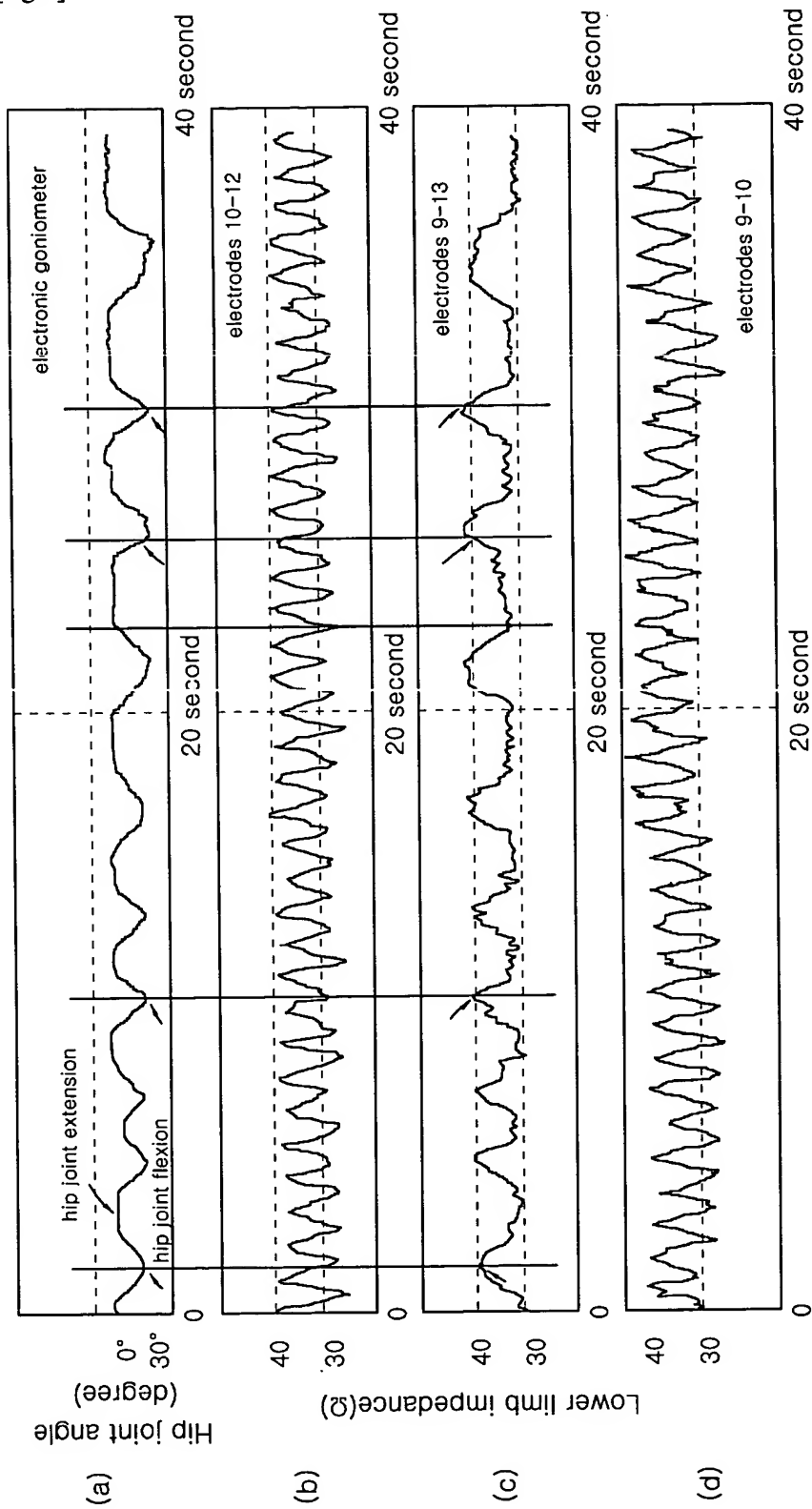
[fig 6]



[fig 7]



[fig 8]



[fig 9]

Lower limb movement	Time interval	Movements by time
ankle flexion/extension 45°→110°→35°	0~15 second : step 1	ankle F/E
	15~30 second : step 2	knee joint F/E
	30~45 second : step 3	hip joint F/E
	45~60 second : step 4	hip joint rotation
	60~75 second : step 5	ankle F/E
knee joint flexion/extension 0°→-70°→0°	0~15 second : step 1	ankle F/E
	15~30 second : step 2	knee joint F/E
	30~45 second : step 3	hip joint F/E
	45~60 second : step 4	hip joint rotation
	60~75 second : step 5	knee joint F/E
hip joint flexion/extension 0°→+45°→-30°	0~15 second : step 1	hip joint F/E
	15~30 second : step 2	ankle F/E
	30~45 second : step 3	knee joint F/E
	45~60 second : step 4	hip joint rotation
	60~75 second : step 5	hip joint F/E
<u>H</u> eel <u>S</u> trike & <u>T</u> oe <u>O</u> ff	0~15 second : step 1	HSTO
	15~30 second : step 2	knee joint F/E
	30~45 second : step 3	hip joint F/E
	45~60 second : step 4	knee joint rotation
	60~75 second : step 5	HSTO

[fig 10]

Lower limb movement	Interference	Definition
ankle flexion/extension	knee joint F/E	SNR1
	hip joint F/E	SNR2
	hip joint rotation (lateral/medial)	SNR3
knee joint flexion/extension	ankle F/E	SNR4
	hip joint F/E	SNR5
	hip joint rotation (lateral/medial)	SNR6
hip joint flexion/extension	knee joint F/E	SNR7
	ankle F/E	SNR8
	hip joint rotation (lateral/medial)	SNR9
Heel Strike & Toe Off	knee joint F/E	SNR10
	hip joint F/E	SNR11
	knee joint rotation	SNR12

[fig 11]

